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RELIABILITY PREDICTION

Model : PS-25 Data:2000-02-01

Style	Part Type	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	11	0.003700	10	0.407000	23.460
9.1	Resistor-Wirewound Power (RW)	1	0.008500	10	0.085000	4.899
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.807
10.1	Capacitor-Metal, Plastic (CH)	1	0.000510	10	0.005100	0.294
10.1	Capacitor-Ceramic(Gen.) (CK)	9	0.001700	10	0.153000	8.819
10.1	Capacitor-Aluminum Dry (CE)	6	0.001300	10	0.078000	4.496
6.1	Diode-Switching	2	0.000940	8	0.015040	0.867
6.1	Diode-Fast Recovery Power Rectifier	2	0.023000	8	0.368000	21.212
6.1	Diode-Power Rectifier / Schottky Power	4	0.002800	8	0.089600	5.165
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	1	0.003300	8	0.026400	1.522
6.1	Diode-Transient Suppressor/Varistor	1	0.002900	8	0.023200	1.337
6.11	OPTO-isolator	1	0.027000	8	0.216000	12.450
5.1	Linear Microcircuits	2	0.009500	10	0.190000	10.952
11.1	Transformer Switching	1	0.000610	3	0.001830	0.105
11.2	Coil Fixed inductor or choke	2	0.000032	3	0.000192	0.011
17.1	Single Connections-Reflow solder	120	0.000069	1	0.008280	0.477
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.014
22.1	Fuses	1	0.010000	1	0.010000	0.576
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	2.536
Total Failure rate:					1.734882	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**

MTBF: 576408.08 **hrs**

Approved by: David Wang Compiled by: Kim Tseng .